

## **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application. Applicants have submitted a new complete claim set showing any marked up claims with insertions indicated by underlining and deletions indicated by strikeouts and/or double bracketing.

## **Listing of Claims:**

1. (Currently Amended) A computer-implemented method, comprising:
  - a computer receiving input from a user to open a data file;
  - discovering, without user interaction, a solution, the solution defining an availability of one or more available-actions for formattingentering data ~~into~~ one or more operable fields of an electronic form associated with the data file, wherein the availability of one or more actions is defined for each one of the one or more operable fields;
  - deploying, without user interaction, the solution;
  - displaying, to the user, by opening the data file with the solution, the electronic form having the one or more operable fields;
  - receiving input from the user to set the context of a selected operable field;
  - in response to the context set by the user, displaying to the user the availability of the one or more available-actions for formattingentering data ~~into~~ the selected operable field of the electronic form; and
  - after displaying the availability of the one or more available-actions, enabling the user to formatenter data, based on the availability of the one or more available-actions, ~~into~~ the selected operable field of the electronic form.
2. (Previously Presented) The method as defined in Claim 1, further comprising:
  - receiving data entered into the selected operable field of the electronic form; and

Type of Response: Amendment  
Application Number: 10/609,238  
Attorney Docket Number: 301662.01  
Filing Date: June 27, 2003

altering the data in the data file so as to correspondingly reflect the data received.

3. (Previously Presented) The method as defined in Claim 1, wherein the availability of one or more actions to the user concurs with an event elected from the group consisting of:

an association of an input device being used by the user with one said operable field;

a cursor position corresponding to an input device being used by the user is proximal to one said operable field;

one said operable field is selected by the user by use of an input device;

one said operable field on the electronic form is made to be an active field by operation of an input device being used by the user;

specific conditions are met;

specific conditions are met with respect to the data in the one said operable field;

when the user's mouse pointer for an input device rests over, within, or proximal to an editable region of one said operable field; and

when the user's mouse pointer for an input device rests over, within, or proximal to an editable region of one said operable field and the mouse is clicked one or more times.

4. (Original) The method as defined in Claim 1, wherein each said action is selected from the group consisting of:

a request for one or more of a display of a menu and an activation of a menu item of a menu;

a request for one or more of a display of a tool bar and an activation of a command tool of a tool bar;

an editing operation with respect to data in at least one said operable field that is one or more of an undo function, a redo function, a copy function, a cut function, a paste function, an insertion of a hyperlink, and a carriage return or line feed function;

performing a character formatting operation with respect to data in at least one said operable field that is one or more of a boldface, an italics, an underlining, a change of font size or

Type of Response: Amendment  
Application Number: 10/609,238  
Attorney Docket Number: 301662.01  
Filing Date: June 27, 2003

font color, character spacing, and text effects; and

adding, entering, updating or deleting, with respect to at least one said operable field, one or more of a repeating operable field, an optional operable field, a spreadsheet, a table, a row or a column in a table, a text box, multiple spaces, a header, a footer, an image, a graphic, a picture, a link to an image, a link to a graphic, a link to a picture, single line plain text, multi-line plain text, single line formatted text, multi-line formatted text, rich text, a whole number, a decimal, a true/false distinction, a date, and a time.

5. (Original) The method as defined in Claim 1, wherein the availability of each said action is determined on the basis of the context of each said operable field of the electronic form with respect to at least one other said operable field of the electronic form.

6. (Original) The method as defined in Claim 1, wherein discovering the solution includes discovering a solution identifier in the data file, computing a special name from the solution identifier, and discovering the solution using the special name.

7. (Canceled)

8. (Original) The method as defined in Claim 1, wherein the data file is written in XML.

9. (Previously Presented) The method as defined in Claim 1, wherein:  
the solution includes a presentation application that includes the electronic form; and  
the presentation file contains logic to give the display of the electronic form a graphical, visual representation of the operable fields.

10. (Original) The method as defined in Claim 9, wherein the presentation application is written in XSLT.

Type of Response: Amendment  
Application Number: 10/609,238  
Attorney Docket Number: 301662.01  
Filing Date: June 27, 2003

11. (Original) The method as defined in Claim 1, wherein the solution includes a logic application for ensuring the validity of the received data that is entered into the operable fields of the electronic form.

12. (Original) The method as defined in Claim 11, wherein the logic application includes an XML schema.

13. (Original) The method as defined in Claim 1, wherein the electronic form is written in XHTML.

14. (Currently Amended) One or more computer-readable storage media having stored thereon a plurality of computer-executable instructions performing steps comprising:

receiving input from a user to open a data file;

discovering, without user interaction, a solution, the solution defining an availability of one or more ~~available~~ actions for formatting~~entering~~ data into one or more operable fields of an electronic form associated with the data file, wherein the availability of one or more actions is defined for each one of the one or more operable fields;

deploying, without user interaction, the solution;

displaying, to the user, by opening the data file with the solution, the electronic form having the one or more operable fields;

receiving input from the user to set the context of a selected operable field;

in response to the context set by the user, displaying to the user the availability of the one or more available actions for formatting~~entering~~ data into the selected operable field of the electronic form; and

after displaying the availability of the one or more available actions, enabling the user to format~~enter~~ data, based on the availability of the one or more available actions, into the selected operable field of the electronic form.

Type of Response: Amendment  
Application Number: 10/609,238  
Attorney Docket Number: 301662.01  
Filing Date: June 27, 2003

15–62. (Canceled)

63. (Currently Amended) An apparatus comprising:

means for displaying at a user interface of a computer system a representation of a data file;

means for selecting the data file;

means for discovering and deploying, without user interaction, a solution governing the data file, wherein the solution defines an availability of one or more ~~available~~ actions for ~~formatting~~~~entering~~ data into one or more operable fields of an electronic form associated with the data file, wherein the availability of one or more actions is defined for each one of the one or more operable fields;

means for displaying the electronic form representing a product of the solution and the data file, wherein the electronic form comprises the one or more operable fields;

means for receiving input from a user to set the context of a selected operable field;

means for displaying, in response to the context set by the user, the availability of the one or more ~~available~~ actions to the user for ~~formatting~~~~entering~~ data into the selected operable field of the electronic form;

means for, after displaying the availability of the one or more ~~available~~ actions, enabling the user to ~~format~~~~enter~~ data, based on the availability of the one or more ~~available~~ actions, into the selected operable field of the electronic form;

means for receiving data entered into the electronic form;

means for altering the data file to reflect the data received; and

means for storing the data received.

64. (Previously Presented) The apparatus as defined in Claim 63, wherein the availability of one or more actions to the user concurs with an event elected from the group consisting of:

an association of a data-entry field on the electronic form with means, used by the user, for making input;

Type of Response: Amendment  
Application Number: 10/609,238  
Attorney Docket Number: 301662.01  
Filing Date: June 27, 2003

a cursor position corresponding to a data-entry field on the electronic form with means, used by the user, for making input;

a data-entry field on the electronic form is selected by the user by use of the means for making input;

at least one data-entry field on the electronic form is made to be an active field by operation of the means for making input being used by the user;

specific conditions are met;

specific conditions are met with respect to data in at least one data-entry field on the electronic form;

when the user's mouse pointer for the means for making input rests over, within, or proximal to an editable region of at least one data-entry field on the electronic form; and

when the user's mouse pointer for the means for making input device rests over, within, or proximal to an editable region of at least one data-entry field on the electronic form and the mouse is clicked one or more times.

65. (Original) The apparatus as defined in Claim 63, wherein each said action is selected from the group consisting of:

displaying a menu containing one or more menu items with the electronic form;

displaying a toolbar containing one or more command tools with the electronic form;

selecting a menu item from a menu that is displayed with the electronic form;

selecting a command tool from a tool bar that is displayed with the electronic form;

an editing operation with respect to data in a data-entry field in the electronic form that is one or more of an undo function, a redo function, a copy function, a cut function, a paste function, an insertion of a hyperlink, and a carriage return or line feed function;

performing a character formatting operation with respect to data in a data-entry field in the electronic form that is one or more of a boldface, an italics, an underlining, a change of font size or font color, character spacing, and text effects; and

adding, entering, updating or deleting, with respect to a data-entry field in the electronic

Type of Response: Amendment  
Application Number: 10/609,238  
Attorney Docket Number: 301662.01  
Filing Date: June 27, 2003

form, one or more of a repeating data-entry field, an optional data-entry field, a spreadsheet, a table, a row or a column in a table, a text box, multiple spaces, a header, a footer, an image, a graphic, a picture, a link to an image, a link to a graphic, a link to a picture, single line plain text, multi-line plain text, single line formatted text, multi-line formatted text, rich text, a whole number, a decimal, a true/false distinction, a date, and a time.

66-83. (Canceled)

Type of Response: Amendment  
Application Number: 10/609,238  
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